

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011725\
 Data File : VY020855.D
 Acq On : 17 Jan 2025 15:10
 Operator : SY/MD
 Sample : Q1098-01RE
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 17 23:26:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010625S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 01:31:46 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

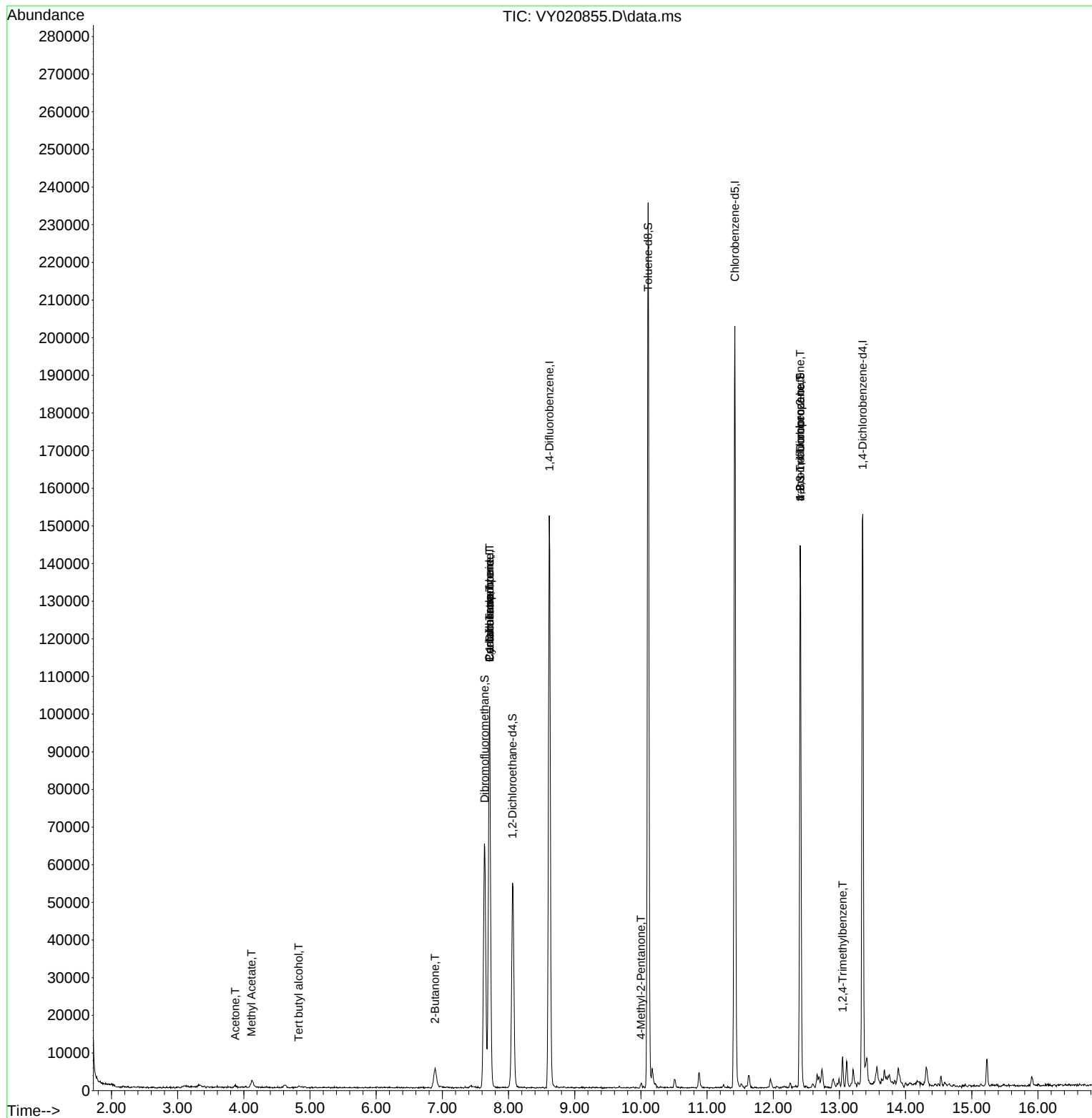
Internal Standards						
1) Pentafluorobenzene	7.713	168	81940	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	137493	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	116042	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	42625	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	43929	63.075	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 126.140%	
35) Dibromofluoromethane	7.640	113	46896	54.443	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.880%	
50) Toluene-d8	10.109	98	157814	52.556	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 105.120%	
62) 4-Bromofluorobenzene	12.408	95	45677	41.192	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 82.380%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.830	59	291	5.530	ug/l #	73
16) Acetone	3.873	43	795	8.027	ug/l	93
18) Methyl Acetate	4.116	43	640	1.914	ug/l #	46
25) 2-Butanone	6.890	43	236	1.451	ug/l #	45
31) Cyclohexane	7.713	56	1419	1.400	ug/l #	22
36) 1,1-Dichloropropene	7.713	75	5715	5.202	ug/l #	50
38) Carbon Tetrachloride	7.713	117	7635	4.992	ug/l #	17
51) 4-Methyl-2-Pentanone	10.000	43	806	1.814	ug/l #	67
76) 1,2,3-Trichloropropane	12.408	75	22134	59.347	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	22134	125.135	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.048	105	4518	1.688	ug/l	99

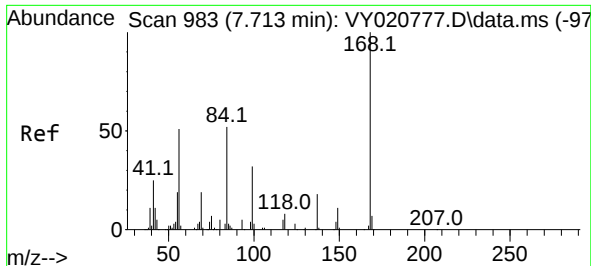
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011725\
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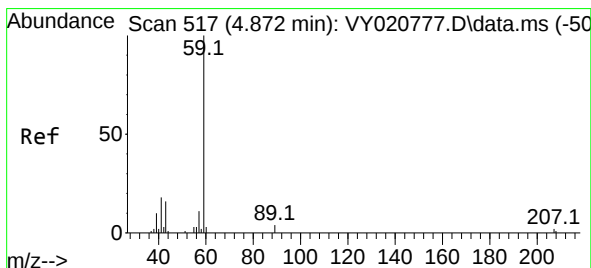
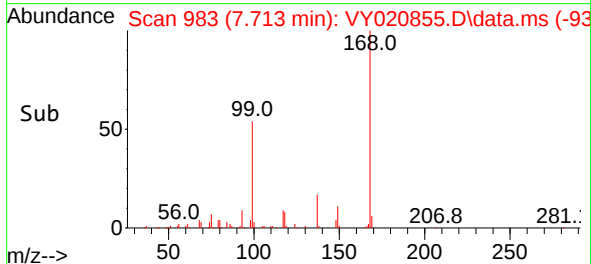
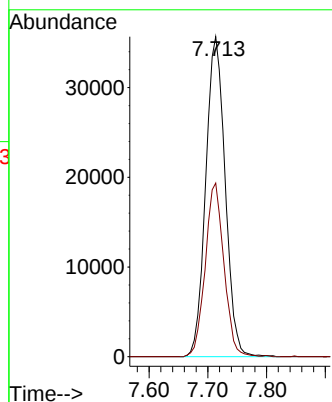
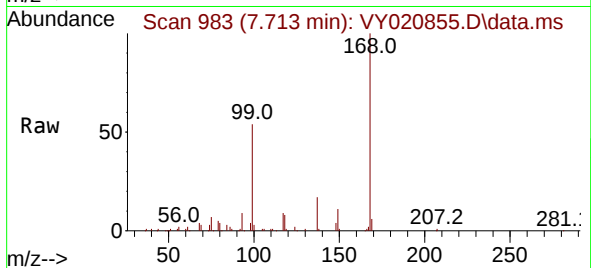




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020855.D
Acq: 17 Jan 2025 15:10

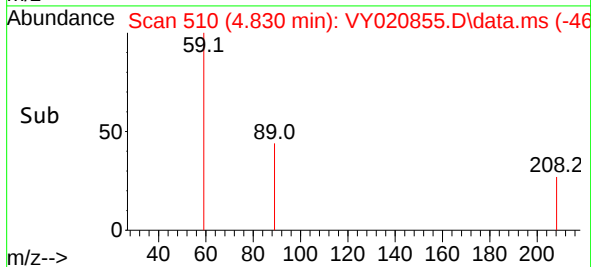
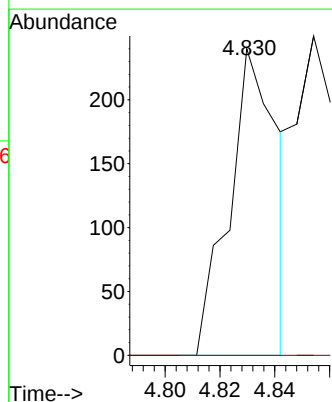
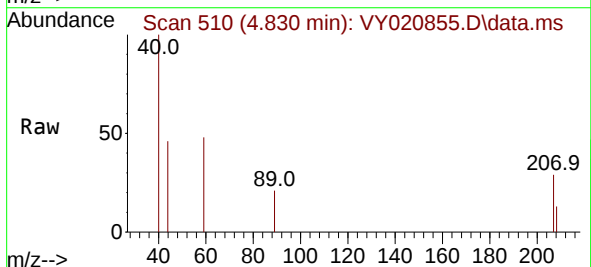
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:168 Resp: 81940
Ion Ratio Lower Upper
168 100
99 54.3 44.3 66.5



#11
Tert butyl alcohol
Concen: 5.530 ug/l
RT: 4.830 min Scan# 510
Delta R.T. -0.043 min
Lab File: VY020855.D
Acq: 17 Jan 2025 15:10

Tgt Ion: 59 Resp: 291
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

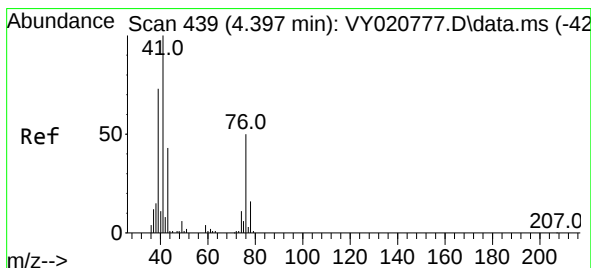
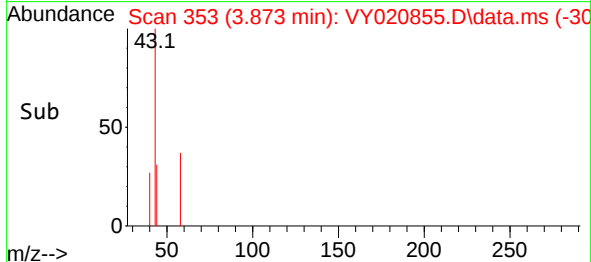
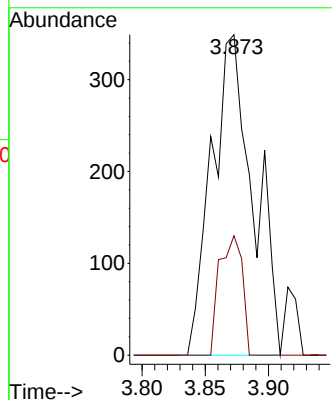
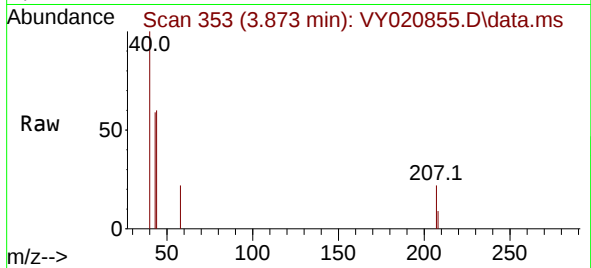




#16
Acetone
Concen: 8.027 ug/l
RT: 3.873 min Scan# 311
Delta R.T. -0.006 min
Lab File: VY020855.D
Acq: 17 Jan 2025 15:10

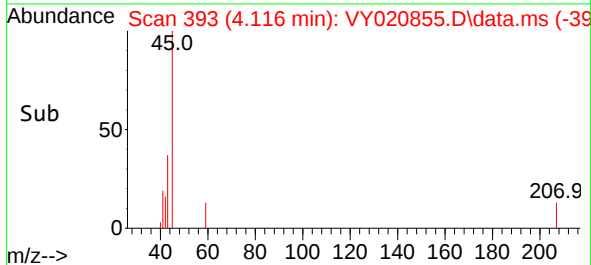
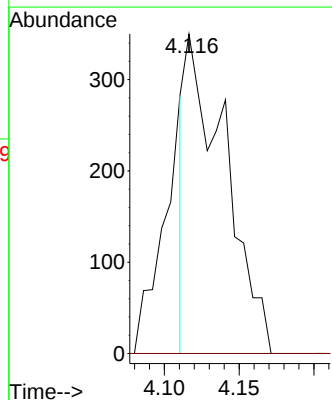
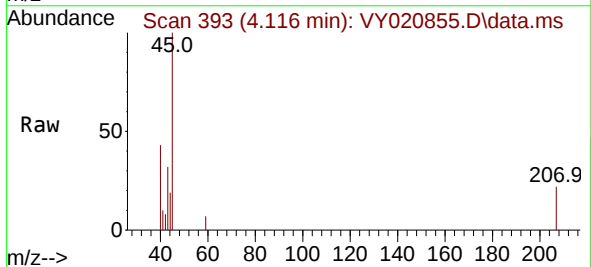
Instrument :
MSVOA_Y
ClientSampleId :

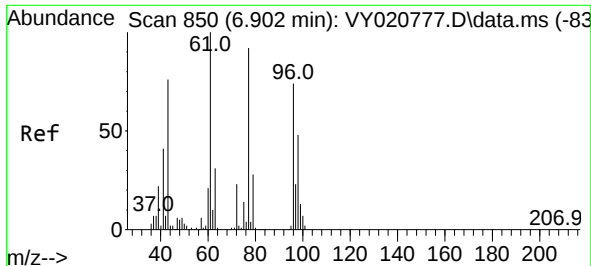
Tgt Ion: 43 Resp: 795
Ion Ratio Lower Upper
43 100
58 37.2 26.7 40.1



#18
Methyl Acetate
Concen: 1.914 ug/l
RT: 4.116 min Scan# 393
Delta R.T. -0.280 min
Lab File: VY020855.D
Acq: 17 Jan 2025 15:10

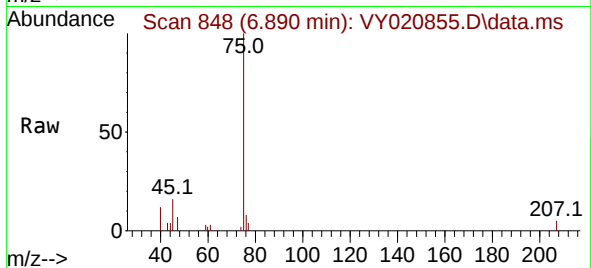
Tgt Ion: 43 Resp: 640
Ion Ratio Lower Upper
43 100
74 0.0 23.0 34.6#



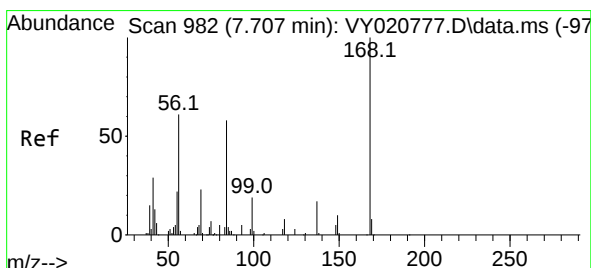
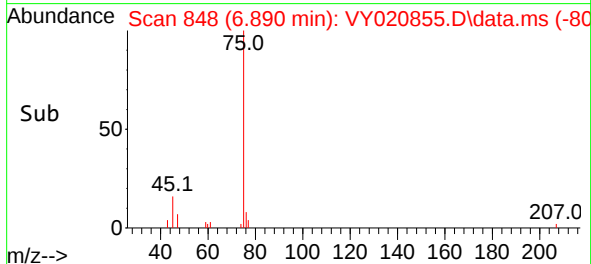
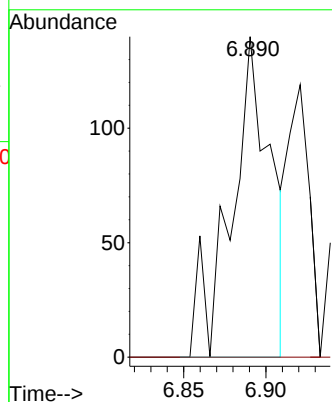


#25
2-Butanone
Concen: 1.451 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.012 min
Lab File: VY020855.D
Acq: 17 Jan 2025 15:10

Instrument :
MSVOA_Y
ClientSampleId :

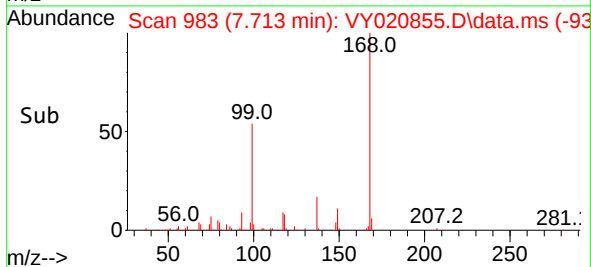
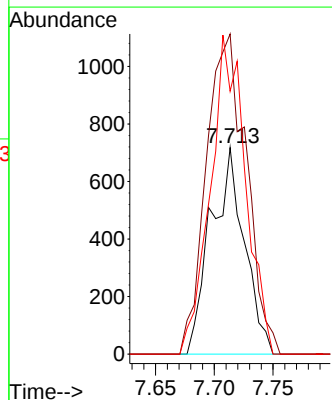
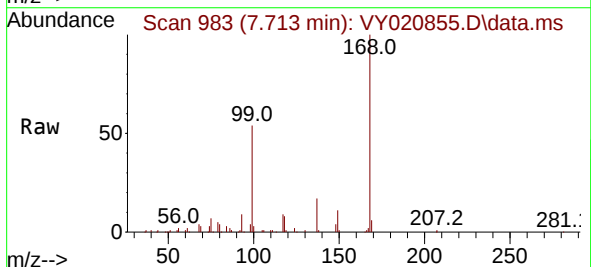


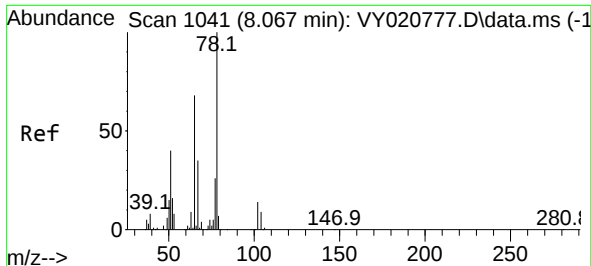
Tgt Ion: 43 Resp: 236
Ion Ratio Lower Upper
43 100
72 0.0 24.0 36.0#



#31
Cyclohexane
Concen: 1.400 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY020855.D
Acq: 17 Jan 2025 15:10

Tgt Ion: 56 Resp: 1419
Ion Ratio Lower Upper
56 100
69 155.0 30.5 45.7#
84 127.3 76.6 115.0#





#33

1,2-Dichloroethane-d4

Concen: 63.075 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY020855.D

Acq: 17 Jan 2025 15:10

Instrument :

MSVOA_Y

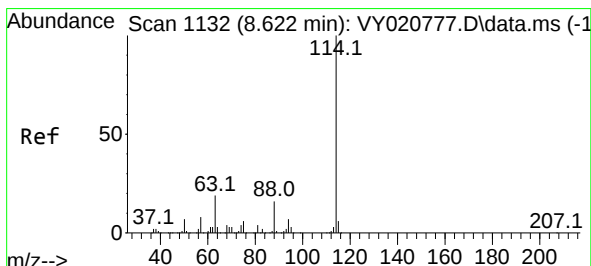
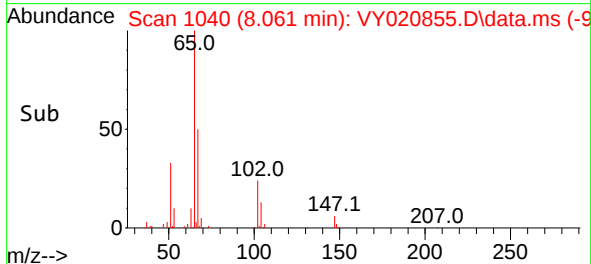
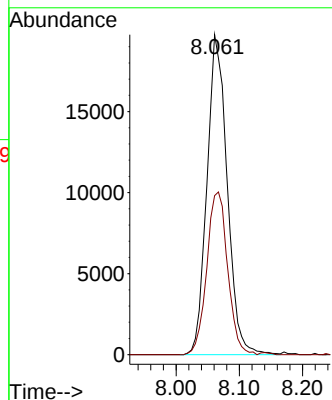
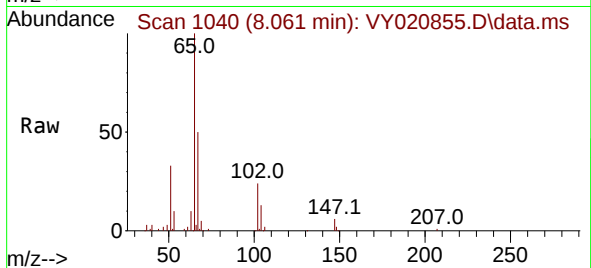
ClientSampleId :

Tgt Ion: 65 Resp: 43929

Ion Ratio Lower Upper

65 100

67 52.4 0.0 102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY020855.D

Acq: 17 Jan 2025 15:10

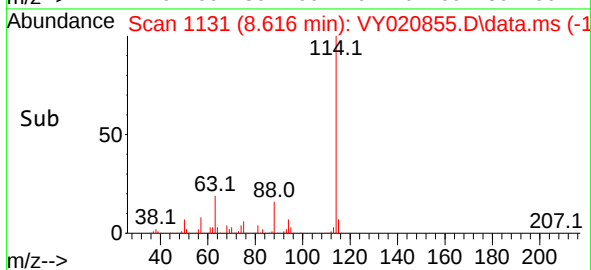
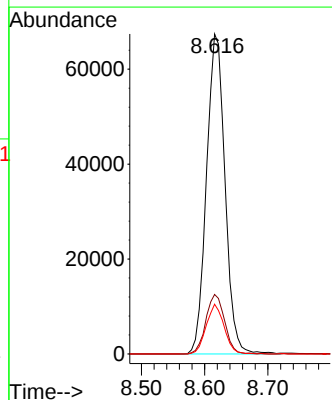
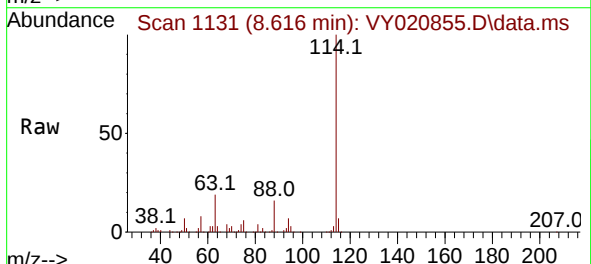
Tgt Ion: 114 Resp: 137493

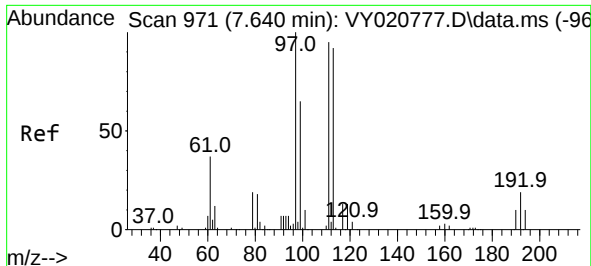
Ion Ratio Lower Upper

114 100

63 18.6 0.0 38.4

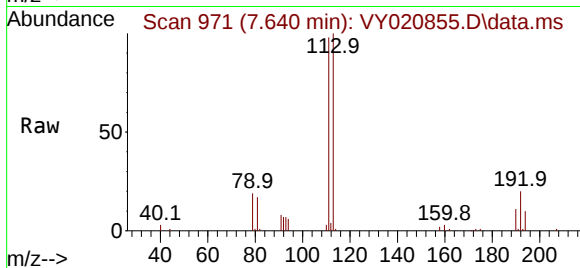
88 15.5 0.0 31.2



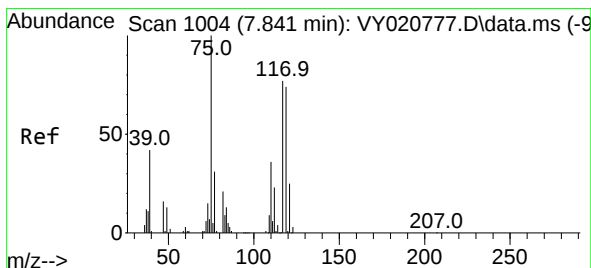
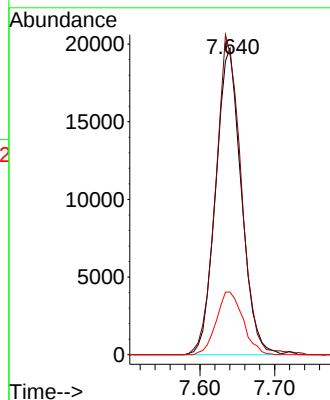
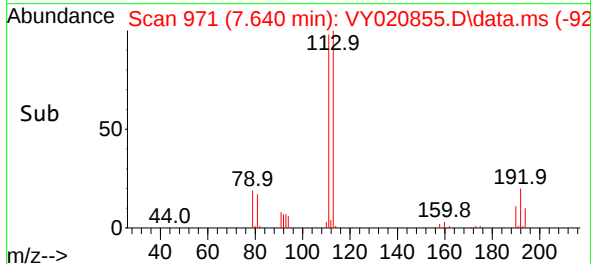


#35
Dibromofluoromethane
Concen: 54.443 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020855.D
Acq: 17 Jan 2025 15:10

Instrument :
MSVOA_Y
ClientSampleId :

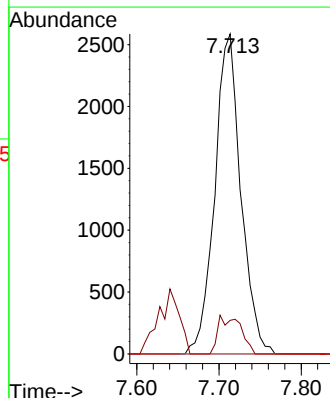
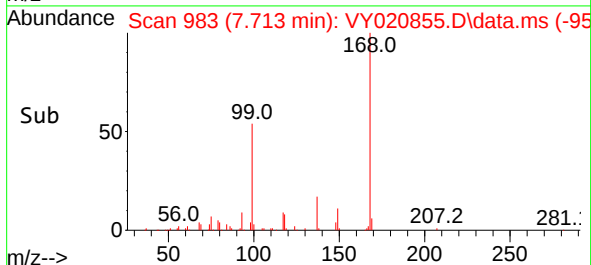
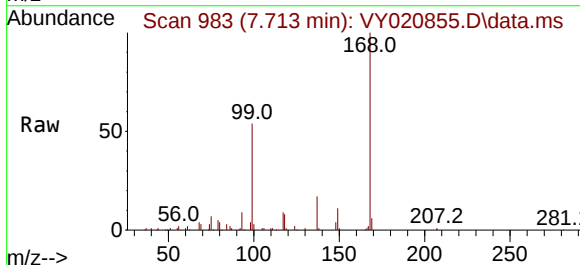


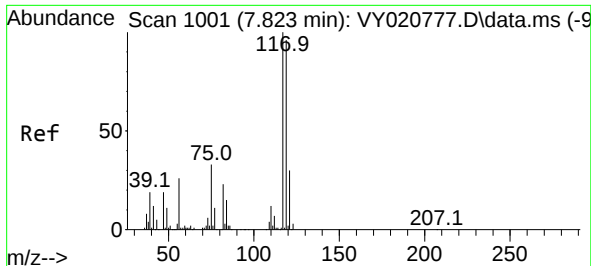
Tgt Ion:113 Resp: 46896
Ion Ratio Lower Upper
113 100
111 103.9 81.7 122.5
192 21.3 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.202 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.128 min
Lab File: VY020855.D
Acq: 17 Jan 2025 15:10

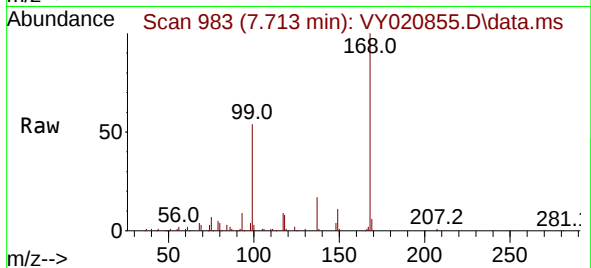
Tgt Ion: 75 Resp: 5715
Ion Ratio Lower Upper
75 100
110 10.3 18.5 55.5#
77 0.0 25.0 37.4#



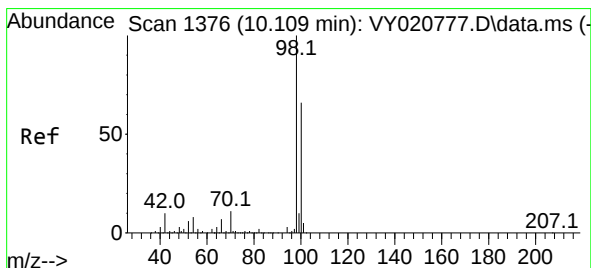
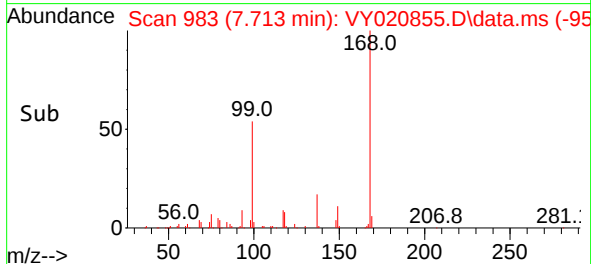
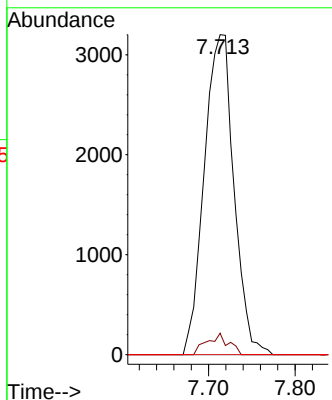


#38
Carbon Tetrachloride
Concen: 4.992 ug/l
RT: 7.713 min Scan# 911
Delta R.T. -0.110 min
Lab File: VY020855.D
Acq: 17 Jan 2025 15:10

Instrument :
MSVOA_Y
ClientSampleId :

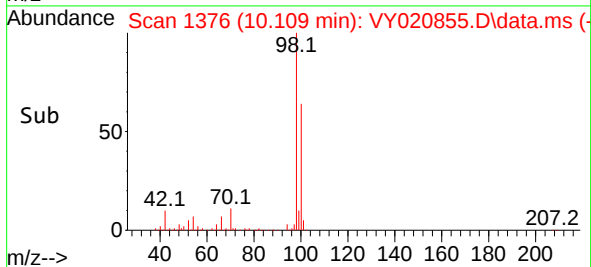
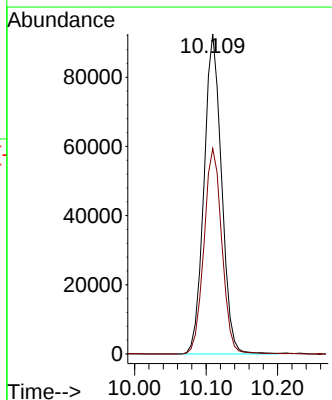
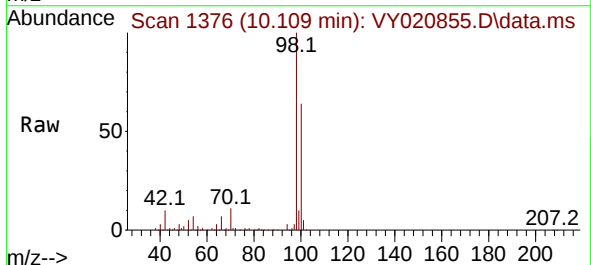


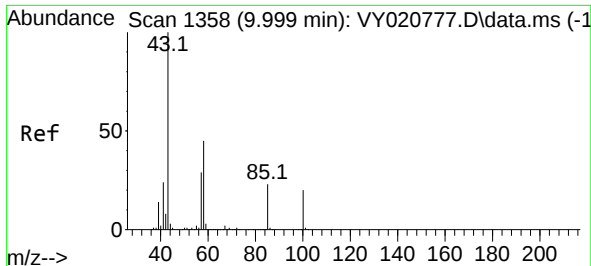
Tgt Ion:117 Resp: 7635
Ion Ratio Lower Upper
117 100
119 6.7 76.5 114.7#
121 0.0 24.3 36.5#



#50
Toluene-d8
Concen: 52.556 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY020855.D
Acq: 17 Jan 2025 15:10

Tgt Ion: 98 Resp: 157814
Ion Ratio Lower Upper
98 100
100 65.3 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 1.814 ug/l

RT: 10.000 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY020855.D

Acq: 17 Jan 2025 15:10

Instrument :

MSVOA_Y

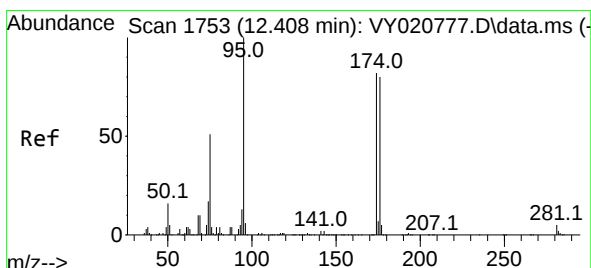
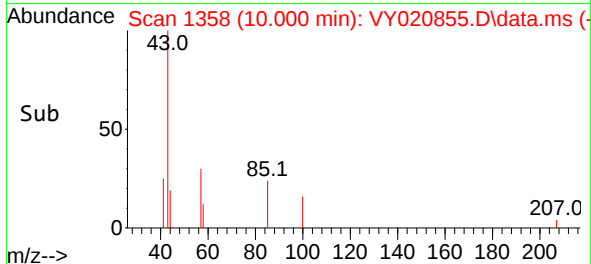
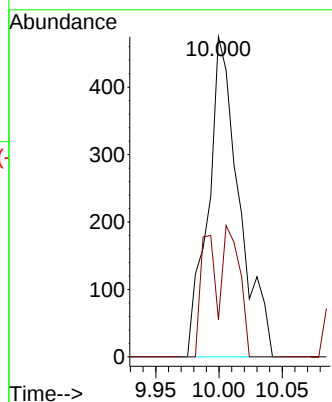
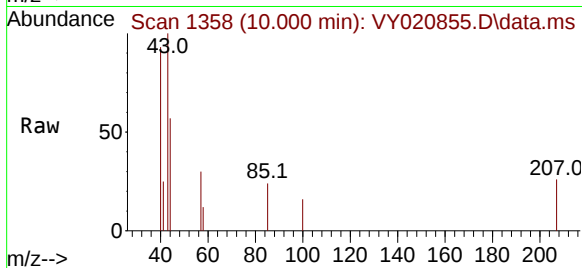
ClientSampleId :

Tgt Ion: 43 Resp: 806

Ion Ratio Lower Upper

43 100

58 22.0 34.8 52.2#



#62

4-Bromofluorobenzene

Concen: 41.192 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY020855.D

Acq: 17 Jan 2025 15:10

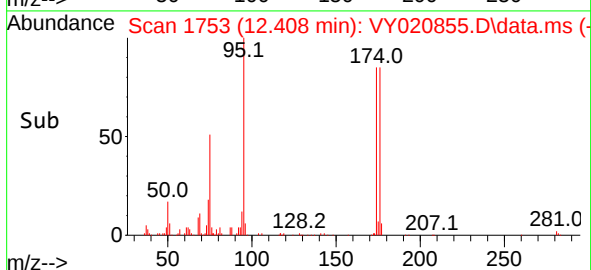
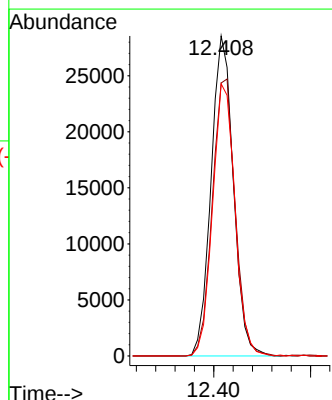
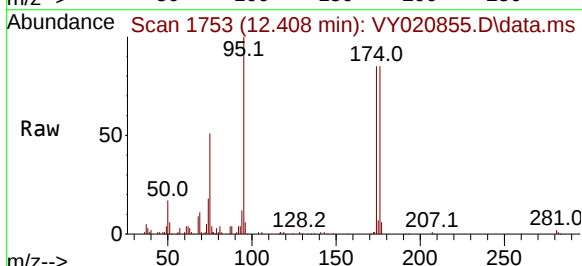
Tgt Ion: 95 Resp: 45677

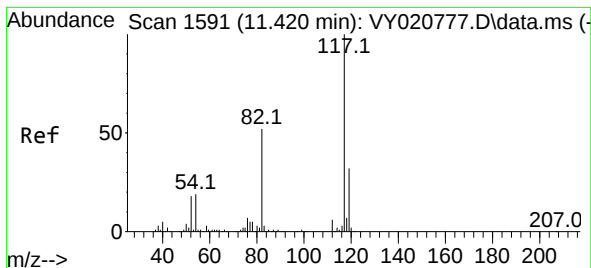
Ion Ratio Lower Upper

95 100

174 88.6 0.0 178.0

176 85.2 0.0 172.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY020855.D

Acq: 17 Jan 2025 15:10

Instrument :

MSVOA_Y

ClientSampleId :

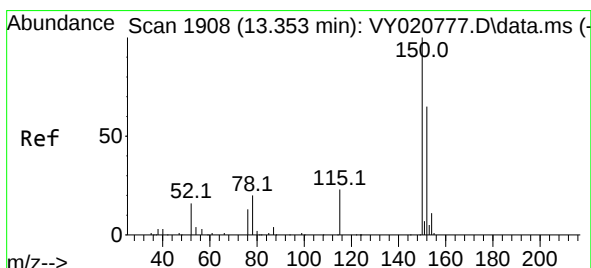
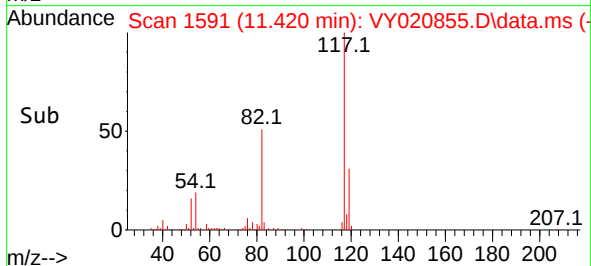
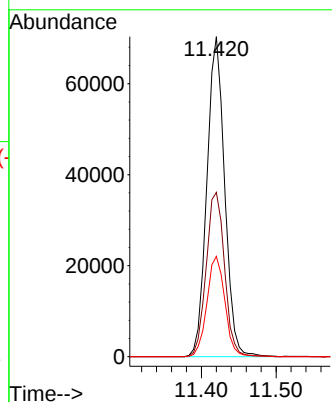
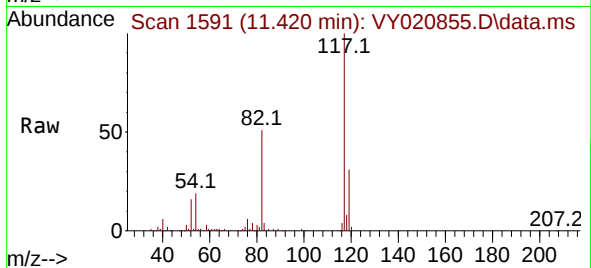
Tgt Ion:117 Resp: 116042

Ion Ratio Lower Upper

117 100

82 51.3 41.8 62.6

119 31.3 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VY020855.D

Acq: 17 Jan 2025 15:10

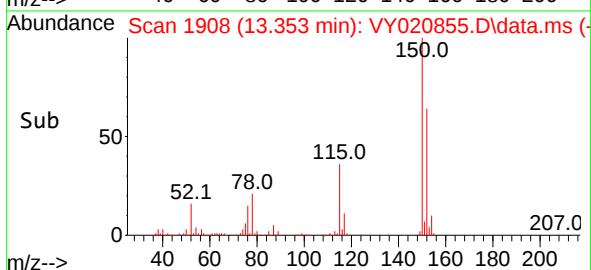
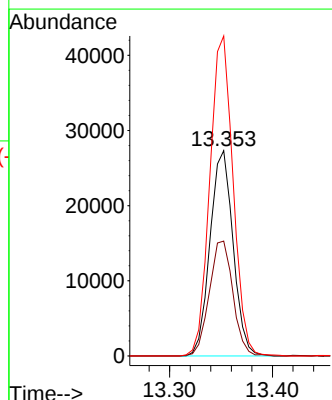
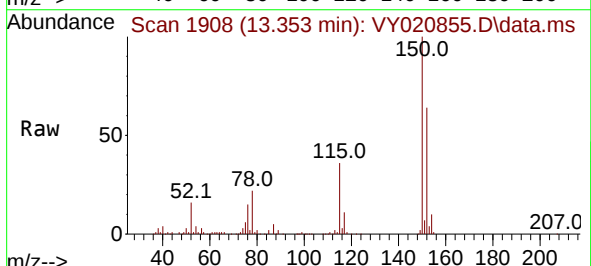
Tgt Ion:152 Resp: 42625

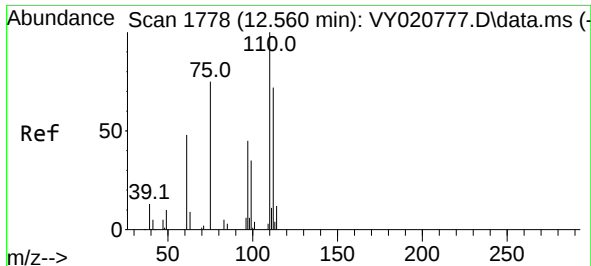
Ion Ratio Lower Upper

152 100

115 57.3 29.0 87.0

150 156.8 0.0 347.4

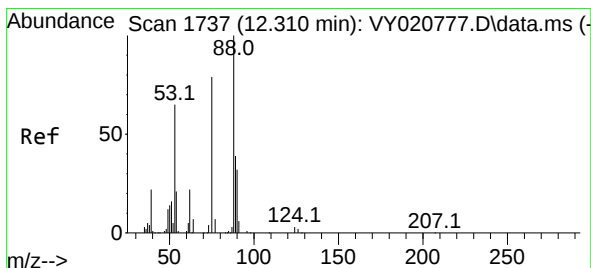
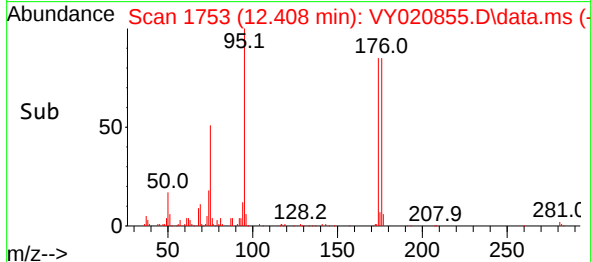
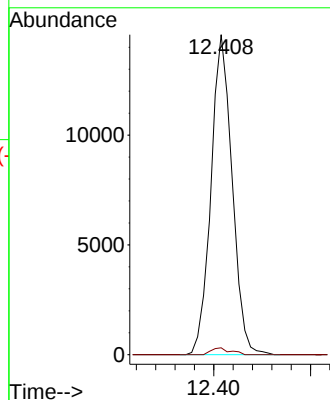
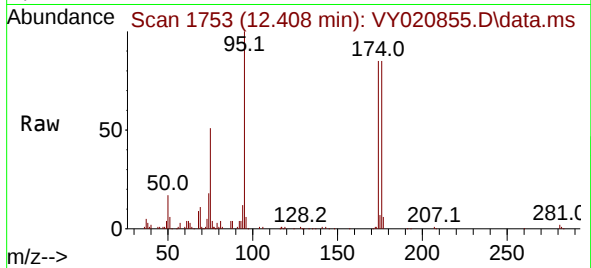




#76
1,2,3-Trichloropropane
Concen: 59.347 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY020855.D
Acq: 17 Jan 2025 15:10

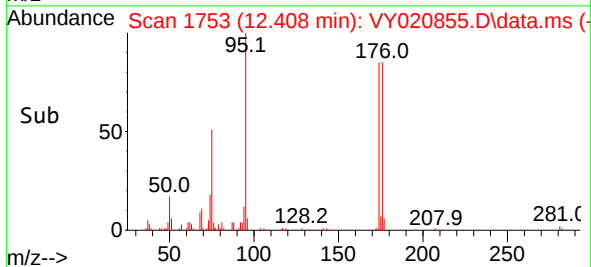
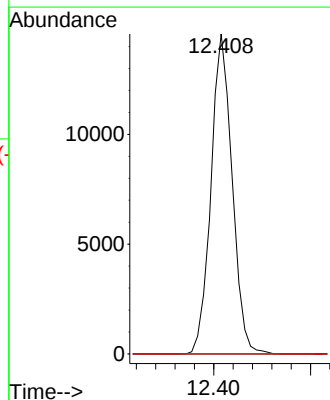
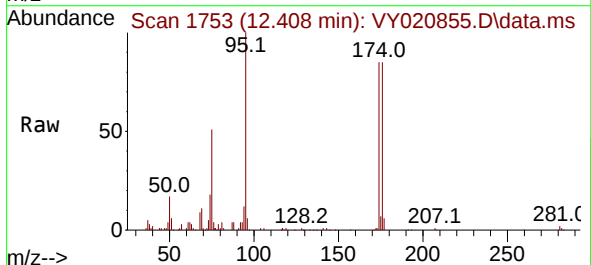
Instrument :
MSVOA_Y
ClientSampleId :

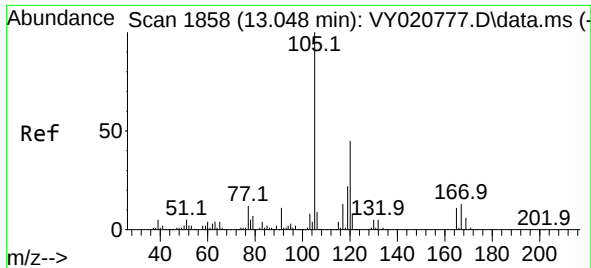
Tgt Ion: 75 Resp: 22134
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 125.135 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.098 min
Lab File: VY020855.D
Acq: 17 Jan 2025 15:10

Tgt Ion: 75 Resp: 22134
Ion Ratio Lower Upper
75 100
53 0.0 69.4 104.0#
89 0.0 39.6 59.4#





#84
 1,2,4-Trimethylbenzene
 Concen: 1.688 ug/l
 RT: 13.048 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VY020855.D
 Acq: 17 Jan 2025 15:10

Instrument :
 MSVOA_Y
 ClientSampleId :

Tgt Ion:105 Resp: 4518
 Ion Ratio Lower Upper
 105 100
 120 44.4 22.4 67.2

